

Amendments to the Claims

1. (Currently amended) A radio base station for performing a radio communication with a plurality of mobile stations with a space division multiplex method, the radio base station being characterized by:

~~transmitting an instruction to stop performing a diversity reception to a mobile station which the radio base station is to communicate with by the space division multiplex method transmitting, when the radio base station starts a communication with a mobile station by the space division multiplex method, an instruction to stop performing a diversity reception to the mobile station.~~

2. (Original) The radio base station of Claim 1 comprising:

a creation means for creating a piece of traffic channel assignment information after receiving a traffic channel assignment request from a mobile station;

an attachment means for attaching the diversity reception stop instruction to the piece of traffic channel assignment information; and

a transmission means for transmitting the piece of traffic channel assignment information with the diversity reception stop instruction, to the mobile station as a response to the traffic channel assignment request.

3. (Original) The radio base station of Claim 1 comprising:

a determination means for determining, after receiving a traffic channel assignment request from a mobile station, whether to allow the mobile station to space-division-multiplex with another mobile station which has communicated with the radio base station;

a creation means for creating a piece of traffic channel assignment

information when the determination means determines to allow the mobile station to space-division-multiplex with the other mobile station;

an attachment means for attaching the diversity reception stop instruction to the piece of traffic channel assignment information; and

a transmission means for transmitting the piece of traffic channel assignment information with the diversity reception stop instruction, to the mobile station as a response to the traffic channel assignment request, and transmitting the diversity reception stop instruction to the other mobile station through a traffic channel.

4-6. (Canceled).